Louisville Metro Air Pollution Control District
701 West Ormsby Avenue, Suite 303
Louisville, Kentucky 40203-3137

05/04/2017

Federally Enforceable District Origin Operating Permit Statement of Basis

Owner: Universal Minerals Kentucky Inc.

Source: Universal Minerals Kentucky, Inc. – Louisville Plant

Plant Location: 8250 Port Road, Louisville, Kentucky 40258

Date Application Received: See Table in Section I.8

Public Comment Date: 05/07/2016; 03/30/2017

District Engineer: Elise Venard **Permit No:** O-0465-17-F

Plant ID: 0465 **SIC Code:** 3295 **NAICS**: 212390

Introduction:

This permit will be issued pursuant to District Regulation 2.17- *Federally Enforceable District Origin Operating Permits*. Its purpose is to limit the plant wide potential emission rates from this source to below major source threshold levels and to provide methods of determining continued compliance with all applicable requirements.

Jefferson County is classified as an attainment area for lead (Pb), nitrogen dioxide (NO_2), carbon monoxide (CO), 1 hr and 8 hr ozone (O_3), and particulate matter less than 10 microns (PM_{10}) and unclassifiable for the 2012 standard for particulate matter less than 2.5 microns ($PM_{2.5}$) and partial non-attainment area for sulfur dioxide (SO_2).

Application Type/Permit Activity:
[ ] Initial Issuance
[ ] Permit Revision
  [ ] Administrative
  [ ] Minor
  [ ] Significant
[X] Permit Renewal

Compliance Summary:
[ ] Compliance certification signed
[ ] Source is out of compliance
[ ] Compliance schedule included
[X] Source is operating in compliance

I. Source Information

1. **Product Description:** Universal Minerals Kentucky, Inc. is a metallic aggregate processing facility catering to both commercial and industrial clients.

2. **Process Description:** Material is brought into the site from area sources, separated, and processed into reusable materials.

3. **Site Determination:** There are no other facilities that are contiguous or adjacent to this facility

4. **Emission Unit Summary:**

Emission Unit	Equipment Description
Plantwide	Plantwide requirements
U1	Processing & Production Equipment: 1 wet hopper, 5 screens, 1 crusher, 1 dryer, , 4 bucket elevators, 1 surge bin, 1 load-out station, 2 baggers, and 11 conveyors, 2 drop chutes, 8 silos
U2	Aggregate stockpile
U3	Storage tank

5. **Fugitive Sources:** There are fugitive PM emissions from the processing of metallic minerals.

6. **Permit Revisions**:

Revision No.	Permit No.	Issue Date	Public Notice Date	Change Type	Change Scope	Description
Initial	0080-01-F	11/05/2001	6/03/2001	Initial	Entire Permit	Initial Permit Issuance
NA	O-0465-17-F	05/04/2017	5/7/2016; 03/30/2017	Renewal	Entire Permit	Permit renewal to include the incorporation of construction permits and STAR exempt status

7. **Construction Permit History:**

Permit No.	Effective Date	Description
442-07-C	8/31/2008	Construction permit for load-out station
C-0465-1004-F	6/13/2016	Powerscreen Chieftain aggregate sorting screen (200 tph) with mobile diesel engine (66.2 hp)

8. **Permit Renewal-Related Documents**

Document Number	Date Received	Description
12933	7/31/2006	Hardcopy: FEDOOP application
57182	7/11/2013	Hardcopy: Permit modification for emission limit change
71842	2/28/2015	Hardcopy: Form 100A for Construction application with Permit modification to include
71424	5/21/2015	Hardcopy: Form 100P declaring Insignificant Activities
73427	9/14/2015	Hardcopy: Form 100A for the addition of a Responsible Official
75370	1/6/2016	Email: APCD notice to company of the initial draft permit review period before going to public comment (1/6/2016 – 1/21/2016)
75370	1/26/2016	Email: Company comments after review of draft permit O-0465-16-F
75370	1/27/2016	Email: District response to company comments
75370	1/29/2016	Email: Company submission of additional information regarding comments to draft permit O-0465-16-F
75370	2/1/2016	Email: APCD acceptance of additional information regarding company comments to draft permit O-0465-16-F
75370	2/8/2016	Email: Company comments after review of draft permit O-0465-16-F
75602	3/1/2016	Email: Company submitted copy of the Secretary of State Certification
75954	3/18/2016	Email: Company response and equipment information confirmation
76005	3/23/2016	Permit application for second additional equipment

Document Number	Date Received	Description
76452	4/15/2016	Email: APCD notice to company of the initial draft permit review period before going to public comment (4/15/2016 – 5/2/2016)
77041	5/6/2016	Email: Public notice for draft permit O-0465-16-F
77602	6/2/2016	Email: Public comments on draft permit O-0465-16-F
77648	6/7/2016	Email: Response to public comments on draft permit O-0465-16-F and APCD approval for PM Stack Testing period (6/7/2016 – 10/5/2016)
77764	6/13/2016	Email: Delivery of Construction Permit C-0465-1004-16-F to the company
79457	9/19/2016	Hardcopy: Form 100A for the addition of a Responsible Official
79524	9/19/2016	Email: APCD approval for an extension to perform PM Stack testing (10/5/2016 – 11/5/2016)
80175	10/26/2016	Email: APCD approval for a second extension to perform PM Stack testing (11/5/2016 – 11/14/2016)
80270	11/1/2016	Hardcopy: PM Stack Test Protocol
80313	11/3/2016	Email: Comments to proposed PM Stack Test Protocol
80367	11/7/2016	Email: PM Stack Test protocol approved
81301	1/12/2017	Email: Reminder to company of PM Test Results due date
81300	1/13/2017	Email: Notice to the company that the test results are incomplete and invalid as submitted
81395	1/20/2017	Hardcopy: Particulate Matter Compliance Test Report (Revision 1)
81365	1/20/2017	Email: Inadequate PM Test Report Certification
81376	1/20/2017	Hardcopy: PM Test Report Certification Statement
81748	2/6/2017	Email: Stack test report
82045	2/21/2017	Email: Method 5 PM test results
82154	2/27/2017	Email: APCD approval of a portion of the PM Stack Test results

9. **Emission Summary**:

Pollutant	Company Reported Emissions (ton/yr) 2009	Pollutant that triggered Major Source Status (based on PTE)
CO	0.0203	No
NO_x	0.0811	No
SO_2	0.0003	No
PM_{10}	0.2	Yes
VOC	0	No
Total HAPs	0	No
Single HAP	0	No

10. **Applicable Requirements**:

[ ] PSD [ ] 40 CFR 60 [X] SIP [ ] 40 CFR 63
[ ] NSR [ ] 40 CFR 61 [X] District-Origin [ ] Other

11. **Referenced MACT Federal Regulations:** The source has no MACT requirements.

12. **Referenced non-MACT Federal Regulations**: The source has no federal regulations.

II. Regulatory Analysis

1. **Acid Rain Requirements**: Universal Minerals Kentucky, Inc. is not subject to the Acid Rain Program.

2. **Stratospheric Ozone Protection Requirements**: Title VI of the CAAA regulates ozone depleting substances and requires a phase-out of their use. This rule applies to any facility that manufactures, sells, distributes, or otherwise uses any of the listed chemicals. Universal Minerals Kentucky, Inc. does not manufacture, sell, or distribute any of the listed chemicals. The source's use of listed chemicals is that in fire extinguishers, chillers, air conditioners and other HVAC equipment.

3. **Prevention of Accidental Releases 112(r):** Universal Minerals Kentucky, Inc. does not manufacture, process, use, store, or otherwise handle one or more of the regulated substances listed in 40 CFR Part 68, Subpart F, and District Regulation 5.15, *Chemical Accident Prevention Provisions*, in a quantity in excess of the corresponding specified threshold amount.

4. **40 CFR Part 64 Applicability Determination:** Universal Minerals Kentucky, Inc. is not subject to 40 CFR Part 64 - *Compliance Assurance Monitoring for Major Stationary Sources*.

5. **Basis of Regulation Applicability**

a. **Plantwide**

Universal Minerals Kentucky, Inc. is a potential major source for the pollutant PM_{10}. Regulation 2.17 – F*ederally Enforceable District Origin Operating Permits* establishes requirements to limit the plant wide potential emission rates to below major source threshold levels and to provide methods of determining continued compliance with all applicable requirements. The source requested limits of the criteria pollutant PM_{10} < 25 tn/yr, to be a FEDOOP STAR Exempt soured as defined by Regulation 5.00, section 1.13.5. The source is not major for Greenhouse Gases.

Regulation 2.17, section 5.2, requires monitoring and record keeping to assure ongoing compliance with the terms and conditions of the permit. The owner or operator shall maintain all the required records for a minimum of 5 years and make the records readily available to the district upon request.

Regulation 2.17, section 5.2, requires performance testing on emission control units to assure ongoing compliance with the terms and conditions of the permit. The owner or operator shall maintain all the required records for a minimum of 5 years and make the records readily available to the District upon request.

Regulation 2.17, section 7.2, requires stationary sources for which a FEDOOP is issued shall submit an Annual Compliance Certification by April 15 of the following calendar year. In addition, as required by Regulation 2.17, section 5.2, the source shall submit an Annual Compliance Report to show compliance with the permit, by March 1 of the following calendar year. Compliance reports and compliance certifications shall be signed by a responsible official and shall include a certification statement per Regulation 2.17, section 3.5.

b. **Emission Unit U1 –** Production and Processing Equipment

i. **Equipment:**

P/PE	Capacity (tph)	Install Date	Applicable Regulation	Basis for Applicability
E1: Wet hopper	50	1996	7.08	Regulation 7.08 establishes the requirements for PM emissions
E2: Conveyor 1	50	1996	7.08	

P/PE	Capacity (tph)	Install Date	Applicable Regulation	Basis for Applicability
E3: Dryer	50	1996	7.08	from new processes that commence construction after September 1, 1976.
E4: Drop chute 1	100	1996	7.08	
E5: Conveyor 6	100	1996	7.08	
E6: Elevator 1	150	1996	7.08	
E7: Surge bin	150	1996	7.08	
E8: Drop chute 2	150	1996	7.08	
E9: Screen A	75	12/16/2015	7.08	
E10: Screen B	75	12/30/2015	7.08	
E11: Conveyor 4	75	1996	7.08	
E12: Conveyor 5	100	1996	7.08	
E13: Crusher	100	1995	7.08	
E14: Conveyor 8	20	1996	7.08	
E15: Conveyor 10	20	1996	7.08	
E16: Elevator 2	20	1996	7.08	
E17: Derrick screen	20	1996	7.08	
E18: Silo 1	30	1996	7.08	
E19: Silo 2	30	1996	7.08	
E20: Silo 3	20	1996	7.08	
E21: Conveyor 11	120	1996	7.08	
E22: Elevator 4	50	1996	7.08	
E23: Conveyor 13	25	1996	7.08	
E24: SWECO screen	25	1996	7.08	
E25: Silo 8	25	1996	7.08	
E26: Bagger 1	45	1995	7.08	
E27: Conveyor 7	30	1996	7.08	
E28: Conveyor 9	30	1996	7.08	
E29: Elevator 3	30	1996	7.08	
E30: Silo 4	25	1996	7.08	
E31: Silo 5	25	1996	7.08	
E32: Silo 6	25	1996	7.08	
E33: Silo 7	25	1996	7.08	
E34: Conveyor 12	50	1996	7.08	
E35: Bagger 2	25	1995	7.08	
E36: Load-out	25	2007	7.08	
E37: Powerscreen	200	9/15/2012	7.08	

ii. **Standards/Operating Limits**

1) **Opacity**

(a) Regulation 7.08, section 3.1.1 establishes an opacity standard of less than 20%, for processes that commenced construction after September 1, 1976.

2) **PM/PM_{10}**

(a) The emission standard for PM at each emission point with a process throughput greater than 30 tn/hr is determined in accordance with Regulation 7.08, section 3.1.2 as follows:

PM lb/hr limit = 17.31 (process weight tn/hr)$^{0.16}$.

(b) The District has determined that the equipment (Wet hopper, Elevator 1, Elevator 2, Elevator 3, Elevator 4, Surge Bin, Crusher, Screen A, Screen B, Derrick Screen, SWECO Screen, Powerscreen, Drop Chute 1, Drop Chute 2, Conveyor 1, Conveyor 4, Conveyor 5, Conveyor 6, Conveyor 7, Conveyor 8, Conveyor 9, Conveyor 10, Conveyor 11, Conveyor 12, Conveyor 13, Silo 1, Silo 2, Silo 3, Silo 4, Silo 5, Silo 6, Silo 7, Silo 8, Bagger 1, Bagger 2, Load-out Station, Aggregate Stockpile) cannot exceed the Regulation 7.08 hourly PM limits uncontrolled under a production bottleneck of 50 tons/hr.

(c) To meet the Regulation 7.08 lb/hr PM emission standard for the Dryer (E3), the Pulse jet dust collector with baghouse (C1) must be in operation at all times the dryer is in operation.

(i) The stack test performed 11/15/2016 demonstrated that the source was in compliance with the PM_{10} emission standard. The stack test performed 11/15/2016 demonstrated that the source was in compliance with the PM emission standard of 32.37 lb/hr for the Dryer. An uncontrolled emission factor of 18.6 lb PM/ton was concluded from the stack test. A controlled emission factor of 0.043 lb PM/ton and 0.035 lb PM_{10}/ton was concluded from the stack test.

(d) The emission standard for PM at each emission point with a process throughput of less than 30 tn/hr is

determined in accordance with Regulation 7.08, section 3.1.2 as follows:

PM lb/hr limit = 3.59 (process weight tn/hr)$^{0.62}$

c. **Emission Unit U2 – Aggregate Stockpiles**

i. **Equipment:**

P/PE	Capacity	Install Date	Applicable Regulation	Basis for Applicability
E38: Aggregate Stockpile	50 ton/hr	1996	1.14 2.17 7.08	Regulation 1.14 provides for the control of fugitive particulate emissions for any source. Regulation 2.17 applies to any stationary source, or one or more processes or process equipment at a stationary source, for which the owner or operator voluntarily applies for a federally enforceable District origin operating permit. The District shall establish requirements and specific conditions that limit source PTE to below Title V standards. Regulation 7.08 establishes the requirements for PM emissions from new processes that commence construction after September 1, 1976.

ii. **Standards/Operating Limits**

1) **Opacity**

(a) Regulation 7.08, section 3.1.1 establishes an opacity standard of less than 20%, for processes that commenced construction after September 1, 1976.

(b) Regulation 1.14, section 2.3 establishes standards for fugitive particulate matter.

2) **PM/PM$_{10}$**

(a) The emission standard for PM at each emission point with a process throughput greater than 30 tn/hr is determined in accordance with Regulation 7.08, section 3.1.2 as follows:

PM lb/hr limit = 17.31 (process weight tn/hr)$^{0.16}$.

(b) The District has determined that the stockpiles under standard conditions cannot exceed hourly Regulation 7.08 PM lb/hr limits uncontrolled.

(c) Regulation 1.14, section 2.1 establishes work practice standards to prevent particulate matter from becoming airborne beyond the work site.

d. **Emission Unit U3 –** Storage Tank

i. **Equipment:**

P/PE	Capacity	Install Date	Applicable Regulation	Basis for Applicability
E39: Storage Tank	500 gallon	2011	7.12	Regulation 7.12 establishes the requirements for storage tanks with a capacity greater than 250 gallons constructed after April 19, 1972

ii. **Standards/Operating Limits**

1) **VOC**

(a) Regulation 7.12, section 3.3 requires submerged fill if the materials have an as stored vapor pressure of 1.5 psia or greater.

(b) The tanks are not subject 40 CFR 60, Subpart Kb because the vapor pressure is less than the required 1.5 kPa.

III. Other Requirements

1. **Temporary Sources:** None.

2. **Short Term Activities:** None.

3. **Emissions Trading:** N/A

4. **Alternative Operating Scenarios**: None.

5. **Compliance History:**

Incid. #	Date	Regulation Violated	Settlement
06751	4/15/15	Regulation 2.17, section 07, subsection 02 failure to submit annual certification	Settled

6. **Calculation Methodology or Other Approved Method:**

a. **PM/PM_{10}**

i. For the Dryer (E3): The owner or operator shall calculate any bypass event PM emissions based on the material throughput, duration of event, and emission factors based on the stack test shown below in the Table below unless another method is approved in writing by the District:

Table: Dryer Uncontrolled Emissions Factor

Emission Source	**Uncontrolled PM Emission Factor** (lb/ton)
Dryer	18.61

Equation 1: $E_{PM} = (X)(EF \quad lb/ton)$

Where: E_{PM} = uncontrolled PM emissions (pounds) during a bypass event

X = the amount of material throughput (tons) processed by the unit during a bypass event

ii. The owner or operator shall calculate the PM_{10} emissions based on the material throughput in tons, stack test data, and emission factors from (or derived from) AP-42, Chapter 11 Section 11.19.2-2 Emission Factors for Crushed Stone Processing Operations; Section 11.24-2 Emission Factors for Metallic Minerals Processing; and Chapter 13 Section 13.2.4 Aggregate Handling and Storage Piles shown in the Table below, unless another method is approved in writing by the District.

Table: PM10 Emission Factors

1 The uncontrolled PM lb/ton emission factor for the Dryer is based on stack test performed 11/15/2016.

Emission Source	Uncontrolled PM_{10} Emission Factor (lb/ton)	Controlled PM_{10} Emission Factor [2] (lb/ton)
Crushing	0.0024	N/A
Screening	0.0087	N/A
Transfer Points*	0.00110	N/A
Drying	12.00	0.035
Aggregate Stockpile †	0.010	NA

* Use this emission factor for conveyors, feeder/hoppers, bucket elevators, bagging and truck load-out
† This emission factor includes pile loading, pile unloading, and wind action on a sitting storage pile.

Using the above Emission Factors, controlled and uncontrolled as appropriate, calculating the tons per month PM_{10} emissions for crushing, screening, conveyor transfer points and aggregate storage and handling is as follows:

E_{PM10} = (X)(EF lb/ton)(1 ton/2000 lb.)
Where: E_{PM10} = PM_{10} emissions (tons) during a month
X = the amount of material throughput (tons) processed by the unit during a month

iii. The owner or operator shall account for the minor PM_{10} emissions from Insignificant Activities when totaling the monthly plantwide emissions. Since the emissions are minor the owner or operator may use the potential PM_{10} emissions as the monthly emissions. District calculated PM_{10} potential to emit for the heaters is 0.017 pounds per month.

7. **Insignificant Activities**

Equipment ID	Emission Point Description3	Quantity	PTE (tpy)	Regulation Basis
Wet hopper	Aggregate wet hopper, 50 tph (E1)	1	PM_{10} = 0.24 PM= 0.66	Regulation 1.02
Elevator 1	Bucket Elevator with electric motor, 150 tph (E6)	1	PM_{10}= 0.72 PM= 1.97	Regulation 1.02

2 The District has decided the only observed and practically controlled emission unit is the Dryer, therefore, only the Dryer has a controlled emission factor.

3 For the engines associated with forklifts, front-end loaders, and spotter trucks; the District has determined that these are mobile and not stationary and do not count for PTE purposes in determining major source status. These emissions also do not need to be accounted for in the plantwide emission limits to show compliance with this permit.

Equipment ID	Emission Point Description3	Quantity	PTE (tpy)	Regulation Basis
Elevator 2	Bucket Elevator with electric motor, 20 tph (E16)	1	PM_{10}= 0.10 PM= 0.26	Regulation 1.02
Elevator 3	Bucket Elevator with electric motor, 30 tph (E29)	1	PM_{10}= 0.14 PM= 0.39	Regulation 1.02
Elevator 4	Bucket Elevator with electric motor, 50 tph (E22)	1	PM_{10}= 0.24 PM= 0.66	Regulation 1.02
Surge bin	Aggregate surge bin, 150 tph (E7)	1	PM_{10}= 0.72 PM= 1.97	Regulation 1.02
Crusher	Barmac, model 6900 Duopactor, vertical impact crusher, electric motor, 100 tph (E13)	1	PM_{10}= 0.53 PM= 1.18	Regulation 1.02
Screen A	Derrick Manufacturing, 3'x10', double deck, vibrating screen, electric motor, 75 tph (E9)	1	PM_{10}= 1.91 PM= 5.48	Regulation 1.02
Screen B	Derrick Manufacturing, 3'x10', double deck, vibrating screen, electric motor, 75 tph (E10)	1	PM_{10}= 1.91 PM= 5.48	Regulation 1.02
Derrick Screen	Derrick Manufacturing, 3'x10', double deck, vibrating screen, electric motor, 20 tph (E17)	1	PM_{10}= 0.76 PM= 2.19	Regulation 1.02
SWECO Screen	SWECO 4-ft diameter circular screen with electric motor, 25 tph (E24)	1	PM_{10}= 0.95 PM= 2.74	Regulation 1.02
Powerscreen	Powerscreen Chieftain, 3'x10', double deck, vibrating screen, diesel motor, 200 tph (E37)	1	PM_{10}= 1.91 PM= 5.48	Regulation 1.02
Drop Chute 1	Gravity-fed transfer chute, 100 tph (E4)	1	PM_{10}= 0.48 PM= 1.31	Regulation 1.02
Drop Chute 2	Gravity-fed transfer chute, 150 tph (E8)	1	PM_{10}= 0.72 PM= 1.97	Regulation 1.02
Conveyor 1	Conveyor/Stacker with electric motor, 50 tph (E2)	1	PM_{10}= 0.24 PM= 0.66	Regulation 1.02
Conveyor 4	Conveyor/Stacker with electric motor, 75 tph (E11)	1	PM_{10}= 0.36 PM= 0.98	Regulation 1.02
Conveyor 5	Conveyor/Stacker with electric motor, 100 tph (E12)	1	PM_{10}= 0.48 PM= 1.31	Regulation 1.02
Conveyor 6	Conveyor/Stacker with electric motor, 100 tph (E5)	1	PM_{10}= 0.48 PM= 1.31	Regulation 1.02
Conveyor 7	Conveyor/Stacker with electric motor, 30 tph (E27)	1	PM_{10}= 0.14 PM= 0.39	Regulation 1.02
Conveyor 8	Conveyor/Stacker with electric motor, 20 tph (E14)	1	PM_{10}= 0.10 PM= 0.26	Regulation 1.02

Equipment ID	Emission Point Description3	Quantity	PTE (tpy)	Regulation Basis
Conveyor 9	Conveyor/Stacker with electric motor, 30 tph (E28)	1	PM_{10}= 0.14 PM= 0.39	Regulation 1.02
Conveyor 10	Conveyor/Stacker with electric motor, 20 tph (E15)	1	PM_{10}= 0.10 PM= 0.26	Regulation 1.02
Conveyor 11	Conveyor/Stacker with electric motor, 120 tph (E21)	1	PM_{10}= 0.57 PM= 1.57	Regulation 1.02
Conveyor 12	Conveyor/Stacker with electric motor, 50 tph (E34)	1	PM_{10}= 0.24 PM= 0.66	Regulation 1.02
Conveyor 13	Conveyor/Stacker with electric motor, 25 tph (E23)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Silo 1	Split-type processed material storage silo, 30 tph (E18)	1	PM_{10}= 0.14 PM= 0.39	Regulation 1.02
Silo 2	Split-type processed material storage silo, 30 tph (E19)	1	PM_{10}= 0.14 PM= 0.39	Regulation 1.02
Silo 3	Processed coarse material storage silo, 20 tph (E20)	1	PM_{10}= 0.10 PM= 0.26	Regulation 1.02
Silo 4	Processed fine material storage silo, 25 tph (E30)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Silo 5	Processed medium material storage silo, 25 tph (E31)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Silo 6	Processed material storage silo, 25 tph (E32)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Silo 7	Processed material storage silo, 25 tph (E33)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Silo 8	Processed material storage silo, 25 tph (E25)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Bagger 1	MHE/Choice Packaging, plug stack, air packer, bagging machine, electric motor, 45 tph (E26)	1	PM_{10}= 0.22 PM= 0.59	Regulation 1.02
Bagger 2	MHE/Choice Packaging, plug stack, air packer, bagging machine, electric motor, 25 tph (E35)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Load-out Station	Truck load-out station, 25 tph (E36)	1	PM_{10}= 0.12 PM= 0.33	Regulation 1.02
Aggregate Stockpile	Aggregate storage pile, 181'x115' (E38)	1	PM_{10}= 2.16 PM= 4.50	Regulation 1.02
Storage tank	Diesel fuel storage tank, 500 gallons (E39)	1	VOC=0.0004	Regulation 1.02
Area heaters	Room/area heaters, direct fire (0.08 MMBtu/hr)	2	PM_{10}= 0.017 NOx = 0.01	Regulation 1.02

a. Insignificant activities identified in District Regulation 1.02, Appendix A, may be subject to size or production rate disclosure requirements.

b. Insignificant activities identified in District Regulation 1.02, Appendix A shall comply with generally applicable requirements.

c. The owner or operator shall annually submit an updated list of insignificant activities that occurred during the preceding year, with the compliance certification due April 15th.

d. Emissions from Insignificant Activities shall be reported in conjunction with the reporting of annual emissions of the facility as required by the District.

e. The owner or operator may elect to monitor actual throughputs for each of the insignificant activities and calculate actual annual emissions, or use Potential to Emit (PTE) as the annual emissions for each piece of equipment.

f. The District has determined that no monitoring, record keeping, or reporting requirements apply to the insignificant activities listed, except for the equipment that has an applicable regulation and permitted under an insignificant activity (IA) unit.

g. There are two MHE/Choice Packaging, plug stack, air packer, bagging machine, electric motor (12 tph) on site that do not emit any regulated air pollutants.

8. **Idled Equipment:**

The owner or operator must inform the District prior to reinstating any of these idled units.

Emission Point	Description	Capacity	Stack ID	Install Date
Mixer	Cement Mixer, mobile, diesel engine	30 cyd	N/A	2012